

LISTING OF CLAIMS

1. (Original) An aqueous solution of calcitonin suitable for intranasal administration consisting essentially of calcitonin, chlorobutanol at a concentration of 0.25% weight/weight, and water and having a pH of about 3.5, sodium chloride at a concentration of about 0.85%, and optionally hydrochloric acid in an amount sufficient to adjust the pH of the solution to about 3.5, and wherein the aqueous solution has an oxygen at a content of less than about 5%.
2. (Original) The aqueous solution of claim 1 wherein the calcitonin is present at a concentration of about 0.0355 weight/weight.
3. (Original) A method for intranasal administration of calcitonin which comprises administering intranasally to an individual a solution of calcitonin consisting essentially of calcitonin, chlorobutanol at a concentration of 0.25% weight/weight, and water and having a pH of about 3.5, sodium chloride at a concentration of about 0.85%, and optionally hydrochloric acid in an amount sufficient to adjust the pH of the solution to about 3.5, and wherein the aqueous solution has an oxygen at a content of less than about 5%.
4. (Original) The method of claim 3 wherein the calcitonin is present in solution at a concentration of about 0.0355 weight/weight.
5. (Original) The method of claim 3 wherein the calcitonin formulation is administered into a nose of an individual through an actuator tip as a spray, wherein the spray has a spray pattern ellipticity ratio of from about 1.0 to about 1.4 when measured at a height of 3.0 cm from the actuator tip.
6. (Original) The method of claim 5 wherein the spray produces droplets, wherein less than 5% of the droplets are less than 10 microns in size.
7. (Original) The method of claim 5 wherein the spray has a spray pattern major axis of about 31.2 mm and a minor axis of about 27.4 mm.